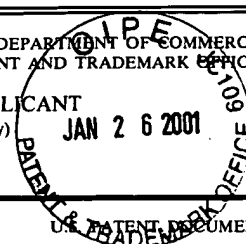


Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI22-1358	SERIAL NO. 09/643,004	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Garry A. Mercaldi		
				FILING DATE August 21, 2000		
				GROUP Unassigned		
U.S. PATENT DOCUMENTS						
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
T-D	AA	5,270,247	12/1993	Sakuma et al.	—	—
T-D	AB	99/649,449 6,458,416	10/2002	Derderian, et al.	—	July 19, 2000
	AC					
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FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Subclass	Translation
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T-D	AK	0794568	9/10/97	Europe	—	—
T-D	AL	05-251339	9/28/93	Japan	—	—
	AM					
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)						
T-D T-D	AO	1	Vernon, S.M., "Low-cost, high-efficiency solar cells utilizing GaAs-on-Si technology." Dialog Abstract of Report No. NREL/TP-451-5353; 04/1993.			
		2	Kiyoko et al., Patent Abstract Application No. 04-024917 (JP 9224917, 09/1993), "Semiconductor Substrate and Its Manufacture."			
T-D T-D	AP	1	Ritala, et al., "Atomic Layer Epitaxy - A Valuable Tool for Nanotechnology?" Nanotechnology, Vol. 10, No. 1, pps. 19-24, March 1999.			
		2	George, et al., "Surface Chemistry for Atomic Layer Growth", Journal of Physical Chemistry, Vol. 100, No. 31, pps. 13121-13131, August 1, 1996.			
T-D	AQ	1	Suntola, "Atomic Layer Epitaxy", Handbook of Crystal Growth, Vol. 3, Chapter 14, pps. 602-663, 1994.			
		2				
	AR					
EXAMINER T. BANK		12/10/02				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI22-1358		SERIAL NO. 09/643,004	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Garry A. Mercaldi			
				FILING DATE August 21, 2000		GROUP 2812	



*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
T.D	AA	09/652,533	Sandhu, et al.			08/31/00
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Form PTO-140 <div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block; transform: rotate(-15deg);"> OIP SEP 17 2001 158333 </div>		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. M122-1358		SERIAL NO. 09/643,004	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Garry A. Mercaldi		FILING DATE August 21, 2000	
GROUP 2812							

U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
T-D	AA	09/927,230	Doan			08/2001	
T-D	AB	09/652,533	Sandhu			08/2000	
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FOREIGN PATENT DOCUMENTS							
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Form PTO-149 <div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block; transform: rotate(-15deg);"> OIPF JC68 DEC 12 2001 PATENT & TRADEMARK OFFICE </div>		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DUC. NO. MI22-1358		SERIAL NO. 09/643,004	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Gary A. Mercaldi			
FILING DATE August 21, 2000				GROUP 2812			

U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
T-D	AA	6270572	08/2001	Kim et al	117	93	
	AB	6083832	07/2000	Sugai	438	672	
	AC	4369105	01/1983	Caldwell et al	204	290 F	
	AD	4831003	05/1989	Lang et al	502	182	
	AE	6287965	09/2001	Kang et al	438	648	
	AF	5480818	01/1996	Matsumoto et al	437	40	
T-D	AG	6203613	03/2001	Gates et al	117	104	
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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
T.D	AA 09/716,288 6,355,561	3/2002	Sandhu	—	—	11/21/00
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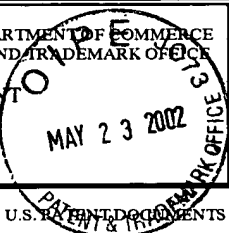
T. DANG

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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI22-1358	SERIAL NO. 09/643,004
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Gary A. Mercaldi	
				FILING DATE August 21, 2000	GROUP 2812



*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
T.D	AA	6,174,377	01-2001	Doering et al	—	—
T.D	AB	5,916,365	06-1999	Sherman	—	—
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FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)		
T.D	AQ	Suntola, "Surface Chemistry of Materials Deposition at Atomic Layer Level", Applied Surface Science, vol. 100/101, March 1996, pp. 391-398.
T.D	AR	Aarik et al, "Effect of Growth Conditions on Formation of TiO ₂ -II Thin Films in Atomic Layer Deposition Process", Journal of Crystal Growth, Vol. 181, August 1997, pp. 259-264.
T.D	AS	Skarp, "ALE-Reactor for Large Area Depositions", Applied Surface Science, vol. 112, March 1997, pp. 251-254.

EXAMINER <div style="font-size: 1.5em; font-family: cursive;">T. DANG</div>	DATE CONSIDERED <div style="font-size: 1.5em; font-family: cursive;">12/10/02</div>
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